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## SEARCH REQUEST FORM

## Scientific and Technical Information Center

Requester's Full Name Benjamin Lee Examiner #: 72021 Date: 8/10/05  
Art Unit: 2632 Phone Number \_\_\_\_\_ Serial Number: 101612731

Location: \_\_\_\_\_ Results Format Preferred (circle): PAPER DISK E-MAIL

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Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

\*For Sequence Searches Only: Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

US 6,125,51948

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## Query/Command : prt max legalall

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*1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image*

**PN** -  US6255948 B1 20010703 [US6255948]

**TI** - (B1) Security device having multiple security features and method of making same

**PA** - (B1) TECHNICAL GRAPHICS SECURITY PR (US)

**PA0** - Technical Graphics Security Products, LLC, Milford NH [US]

**IN** - (B1) COTE PAUL F (US); CURDO STEPHEN B (US); WOLPERT GARY R (US); GARTNER GERALD J (US)

**AP** - US20344998 19981201 [1998US-0203449]

**FD** - Rel. Prov. 60/067,228 19971202 [1997US-P067228]

**PR** - US20344998 19981201 [1998US-0203449]  
US6722897P 19971202 [1997US-P067228]

**IC** - (B1) G08B-013/14

**EC** - G06K-019/18

**PCL** - ORIGINAL (O) : 340572800; CROSS-REFERENCE (X) : 194213000  
235449000 235451000 235452000 235493000 283082000 283083000  
340572100 428209000 428381000 428389000 428399000 428457000  
428916000

**DT** - Basic

**CT** - US4044231; US4183989; US4446204; US4511616; US4584529; US4631222;  
US4631223; US4652015; US4869778; US4943093; US4980569; US5016919;  
US5043201; US5082842; US5093184; US5112672; US5113062; US5190318;  
US5196681; US5265916; US5279403; US5284363; US5308992; US5354099;  
US5388862; US5394969; US5417316; US5419424; US5457382; US5486022;  
US5516153; US5535871; US5543911; US5545885; US5583631; US5599047;  
US5601931; US5614824; US5697649; US5786587; US5803503; US5949050  
Richard Tucker; "Portals and Tags make their mark in secure labels" article  
(date unknown).

De La Rue Holographics; "The Mark of Authenticity" brochure; Pub. In  
Hampshire, England (date unknown).

**STG** - (B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001

**AB** - A security device having multiple security features is used with an item, such as a secure document, ticket, label or tag, to authenticate the item and/or encode data pertaining to the item. One example of the security device includes a carrier substrate, a metallic layer disposed on the carrier substrate, and a magnetic layer disposed on the metallic layer in substantial registration with at least a portion of the metallic layer, thereby providing both metallic security features and magnetic security features. The metallic layer and the magnetic layer also form graphic or visually identifiable indicia on the carrier substrate to provide a visual security feature. According to one method, the metallic layer is applied to the carrier substrate, the magnetic layer is applied to the metallic layer, and the layers are etched to form the graphic indicia. The magnetic layer can, in one embodiment, include a magnetic chemical resist that is printed on the metallic layer in the form of the graphic indicia. The magnetic security features use one or more magnetic

characteristics, such as the level of magnetism and decay rate characteristic of soft magnetics, to authenticate and/or to encode data. The magnetic security feature may also include magnetic tracks for recording data. The metallic security features use different lengths of conductive regions to authenticate and/or encode data.

**UP** - 2001-28

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*1/1 LGST - ©EPO*

**PN** -  US6255948 B1 20010703 [US6255948]

**AP** - US20344998 19981201 [1998US-0203449]

**ACT** - 20031028 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20030701

**UP** - 2003-45

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*1/1 CRXX - ©CLAIMS/RRX*

**PN** -  6,255,948 A 20010703 [US6255948]

**PA** - Technical Graphics Security Products LLC

**ACT** - 20030701 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20031028  
REISSUE REQUEST NUMBER: 10/612731  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2632

Reissue Patent Number:

Search statement 5

6255948

July 3, 2001

Security device having multiple security features and method  
of making same

**LEXIS-NEXIS**  
**Library: PATENTS**  
**File: ALL**

INVENTOR: Wolpert, Gary R. - Mason, New Hampshire; Gartner, Gerald J. - Hollis, New Hampshire; Curdo, Stephen B. - Hollis, New Hampshire; Cote, Paul F. - Hollis, New Hampshire

APPL-NO: 203449 (09)

FILED-DATE: December 1, 1998

GRANTED-DATE: July 3, 2001

CORE TERMS: magnetic, metallic, region, layer, indicia, conductive, chemical, graphic, encoded, resist ...

ENGLISH-ABST:

A security device having multiple security features is used with an item, such as a secure document, ticket, label or tag, to authenticate the item and/or encode data pertaining to the item. One example of the security device includes a carrier substrate, a metallic layer disposed on the carrier substrate, and a magnetic layer disposed on the metallic layer in substantial registration with at least a portion of the metallic layer, thereby providing both metallic security features and magnetic security features. The metallic layer and the magnetic layer also form graphic or visually identifiable indicia on the carrier substrate to provide a visual security feature. According to one method, the metallic layer is applied to the carrier substrate, the magnetic layer is applied to the metallic layer, and the layers are etched to form the graphic indicia. The magnetic layer can, in one embodiment, include a magnetic chemical

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6,255,948 OR 6255948

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